Advanced Course in Orthodontics I	Lecture/Lab./Clinic Academic year 1,2 credits 2,4

[Keywords] Orthodontics, diagnosis, problem-orientated, treatment plan, malocclusion

[Academics] Itaru Mizoguchi, Masahiko Iijima

[Course aims]
Diagnosis in orthodontics, as in other disciplines of dentistry, requires the collection of an adequate database of information about the patient. Based on analysis of the obtained information, the patient's problems are formulated in four categories; dental, skeletal, functional and facial soft tissue, and then a treatment plan is developed. In this course, students undertake diagnosis of a patient. In doing so, students are expected to understand the necessity for orthodontic treatment as well as the diagnostic process and treatment planning for malocclusions.

[Course objectives]
The objectives of the course are for students to be able to:
1) Explain the need for orthodontic treatment.
2) Explain masticatory, swallowing and vocal functions, and head and neck anatomy.
3) Explain the diagnostic process for orthodontic treatment.
4) Analyze patient records and identify patient problems.
5) Plan treatment based on a database of information.
6) Explain the need for tooth extraction in orthodontic treatment.

[Course content]

Class	Theme	Content	Academics
1	Classroom lectures about orthodontic diagnosis	1) Interview and clinical examination 2) Facial soft tissue analysis 3) Model analysis using cast models 4) Cephalometric analysis 5) Analysis of oral functioning 6) Analysis of growth 7) Analysis of extraction	Itaru Mizoguchi Masahiko Iijima
2	Practical courses focused on understanding each step in orthodontic diagnosis.		Itaru Mizoguchi Masahiko Iijima

[Grading policies]
Your overall grade in class will be decided based on class attendance and reports.

[Remarks]
Textbook: Students will be informed of which textbook to use.

Reference book: Students will be informed of which reference book to use.

[Preparation for course]
Students must understand the course objectives and prepare appropriately for classes.